$$\text{c)}\quad \boxed{p(B) = p(B \cap E_1) + p(B \cap E_2)}$$

$$= p(B/E_1) \cdot p(E_1) + p(B/E_2) \cdot p(E_2)$$

$$= \underset{\text{ordre}}{2!} \times \frac{A_2^1 \times A_4^1}{A_9^2} \times \frac{1}{3} + \frac{C_2^1 \times C_4^1}{C_9^2} \times \frac{2}{9}$$

$$= \boxed{\frac{2}{9}}$$

Qarray.tn -Aqra Blech- Qarray.tn
Qarray.tn -Aqra Blech- Qa